

JK

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/815,520	ELLAMS PHILIP	
	<b>Examiner</b>	<b>Art Unit</b>	
	Haissa Philogene	2828	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 04/01/04.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| <ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li><li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li><li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li><li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li></ol> | <ol style="list-style-type: none"><li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li><li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li><li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li><li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li><li>9. <input checked="" type="checkbox"/> Other <u>attached paper</u>.</li></ol> |
|---|---|

Haissa Philogene  
Primary Examiner

*Haissa Philogene*

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

**In the drawings,**

-Figures 1 and 2 have been labeled as --PRIOR ART--.

**In the specification,**

-page 1, before line 1, --FIELD OF THE INVENTION—has been inserted;

-page 1, between lines 4 and 5, --BACKGROUND OF The INVENTION—has been inserted;

-page 4, between 12 and 13, --SUMMARY OF THE INVENTION—has been inserted;

--page 9, between lines 13 and 14, --BRIEF DESCRIPTION OF THE DRAWINGS—has been inserted;

-page 10, between lines 15 and 16, --DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT—has been inserted.

In the Abstract,

-in line 21, "(Figure 3 for publication)" has been deleted.

**In the claims,**

-in claim 6, line 8, "the" before "output circuit" has been changed to --an--.

***Allowable Subject Matter***

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose the following recited limitations: "two first windings wound for substantial flux cancellation and having at least one further winding being temporarily energizable during start-up of the circuit and inductively coupled to the first windings for providing a voltage surge across the first windings" (claim 1); "a pair of primary windings each interwound with a pair of secondary windings, said secondary windings being wound on a common magnetic circuit for substantial flux cancellation, the primary windings being wound for voltage amplification on an output circuit and being temporarily energizable during start-up of the discharge lamp for producing a temporary voltage amplification in the secondary winding" (claim 6); "a pair of secondary windings each interwound with a respective primary winding, one end of each secondary winding being connectable to receive power and the other end being connectable to the discharge lamp, the secondary windings being wound on the core such that the magnetic field from one substantially cancels that from the other, the number of turns of each secondary winding being greater than the number of turns of each primary winding, wherein voltage amplification is attained by temporarily energizing the primary windings during start-up of the lamp system" (claim 7). The remaining claims 2-5 and 8-22 are allowed by virtue of their dependencies on the independent claims. Hence, the examiner has allowed claims 1 through 22.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2828

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ellams, Patent No. 6,734,637; Bell et al., Patent No. 3,374,396; Flory, IV. Patent No. 6,091,208; Zhou et al., Patent No. 6,392,365 ; PCT WO 97/43875.

None of the above documents discloses the ignition system as recited.

### ***Correspondence***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haissa Philogene whose telephone number is (571) 272-1827. The examiner can normally be reached on 6:30 A.M.-6:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MinSun Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2828

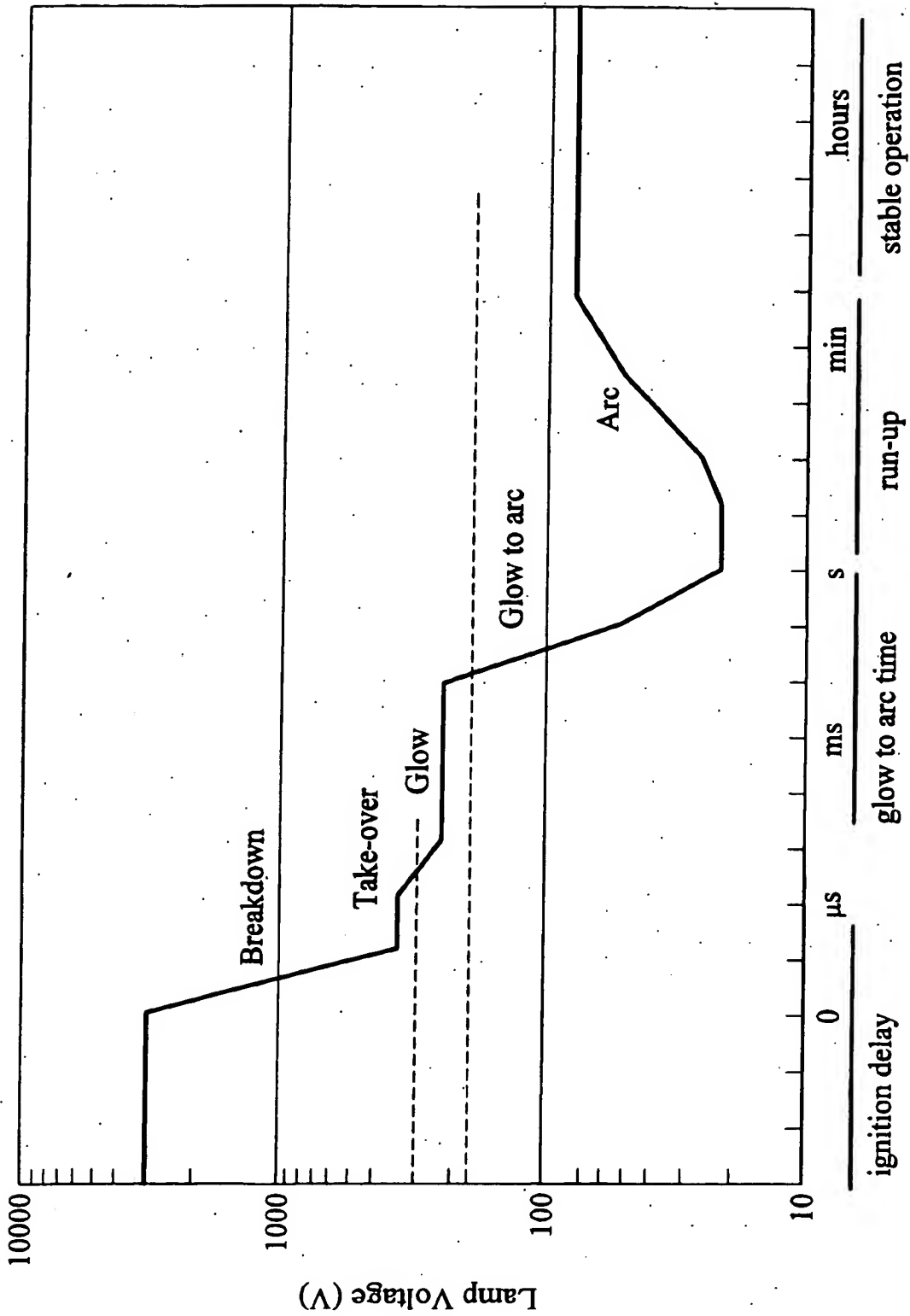
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hp

Haissa Philogene  
Primary Examiner  
AU. 2828  
*Haissa Philogene*



1/10



time

Fig. 1

Prior Art

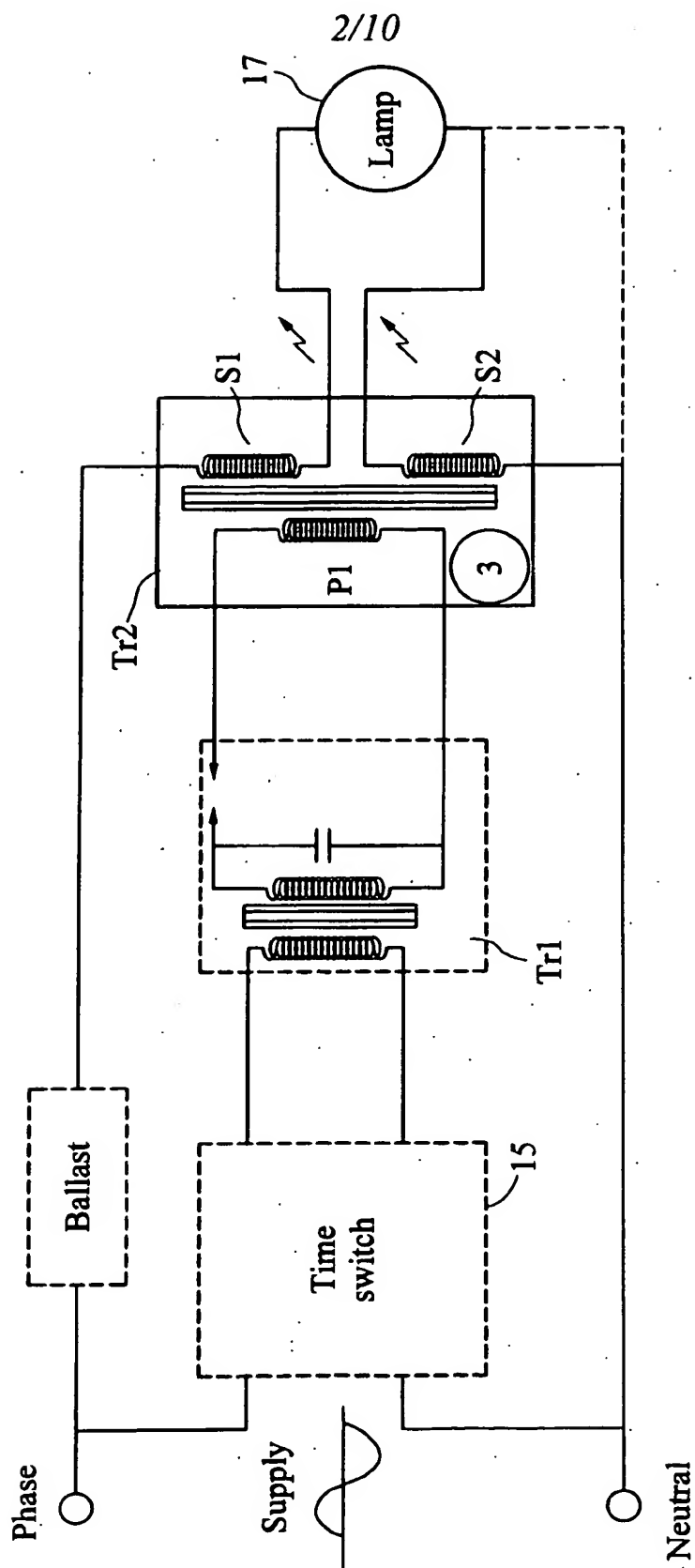


Fig. 2 IR/GR ART